

AMENDMENTS

Please amend the application as follows:

In the Claims:

Please cancel claim 4 without prejudice or disclaimer.

Please substitute the following clean copy text for the pending claims of the same number.

1. (Once Amended) A system for controlling electronic devices based on physiological responses, comprising:

a plurality of sensors positioned adjacent to an eye of a user, said sensors configured to detect a plurality of different involuntary physiological responses of said user and to transmit, in response to detections of said physiological responses by said sensors, signals indicative of said physiological responses; and

a controller configured to receive said signals and to trigger an electronic device to perform a particular task based on whether each of said plurality of detected physiological responses occurs during a particular time period.

2. (Once Amended) A system for controlling electronic devices based on physiological responses, comprising:

a plurality of sensors positioned adjacent to an eye of a user, said sensors configured to detect a plurality of different involuntary physiological responses of said user and to transmit, in response to detections of said physiological responses by said sensors, signals indicative of said physiological responses, each of said signals indicative of a different one of said physiological responses; and

a controller configured to receive said signals and to determine a value indicative of an excitement level of said user based on each of said signals, said controller further configured to control an electronic device based on said value.

3. (Once Amended) The system of claim 1, wherein one of said physiological responses is a blink of an eyelid of said user.

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~~3.~~ (Once Amended) The system of claim 1, wherein said physiological responses are indicative of an excitement level of said user.

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~~4.~~ (Once Amended) The system of claim 1, further comprising a contact lens coupled to one of said sensors.

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~~5.~~ (Once Amended) The system of claim ⁵~~4~~, further comprising an antenna coupled to said contact lens.

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8. (Once Amended) The system of claim 7, wherein said one sensor is configured to transmit one of said signals to said controller via said antenna.

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9. (Once Amended) A system for controlling electronic devices based on physiological responses, comprising:

a sensor positioned adjacent to an eye of a user, said sensor configured to detect a physiological response of said user and to transmit, in response to a detection of said physiological response, a signal indicative of said physiological response; and

a controller configured to receive said signal and to control an electronic device based on said signal,

wherein said sensor comprises a switch that is positioned within a path of movement of an eyelid of said user, said switch activated when said user blinks said eyelid.

12. (Once Amended) A system for controlling electronic devices based on

physiological responses, comprising:

a contact lens;

a plurality of sensors coupled to said contact lens, said sensors configured to detect a plurality of different involuntary physiological responses of said user and to transmit, in response to detections of said physiological responses, signals indicative of said physiological responses; and

a controller configured to receive said signals and to trigger an electronic device to perform a particular task based on whether each of said plurality of detected physiological responses occurs during a specified time period.

13. (Once Amended) A system for controlling cameras based on physiological responses, comprising:

a contact lens;

a sensor coupled to said contact lens, said sensor configured to detect a physiological response of said user and to transmit, in response to a detection of said physiological response, a signal indicative of said physiological response; and

a controller configured to receive said signal and to control a camera based on said signal.

14. (Once Amended) A system for controlling electronic devices based on physiological responses, comprising:

a contact lens;

a sensor coupled to said contact lens, said sensor configured to detect a physiological response of said user and to transmit, in response to a detection of said physiological response, a signal indicative of said physiological response; and

a controller configured to receive said signal and to control an electronic device based on said signal,

wherein said sensor comprises a switch that is positioned within a path of movement of an eyelid of said user, said switch activated when said user blinks said eyelid.

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~~13.~~ (Once Amended) A method for controlling electronic devices based on physiological responses, comprising the steps of:
positioning a plurality of sensors adjacent to an eye of a user;
detecting, via said sensors, a plurality of different involuntary physiological responses of said user;
determining whether each of said different involuntary physiological responses is detected, via said detecting step, within a particular time period; and
automatically triggering an electronic device to perform a particular task based on said determining step.

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~~14.~~ (Once Amended) A method for controlling cameras based on physiological responses, comprising the steps of:
positioning a sensor adjacent to an eye of a user;
detecting, via said sensor, a physiological response of said user; and
automatically controlling a camera based on said detecting step,
wherein said sensor is coupled to a contact lens.

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~~15.~~ (Once Amended) The method of claim ~~14~~, further comprising the step of counting, via at least one of said sensors, a number of eye blinks performed by said user within a specified time period, wherein said controlling step is based on said counting step.

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(Once Amended) The system of claim ~~20~~, wherein said controller is further configured to determine a value indicative of an excitement level of said user based on detections by each of said sensors and to cause said camera to capture said image based on said value.

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(Once Amended) A system, comprising:

a camera;

a sensor configured to detect a physiological response of a user;

a contact lens coupled to said sensor; and

a controller configured to cause said camera to capture an image based on a detection of said physiological response by said sensor.

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(Once Amended) The system of claim ~~20~~, wherein one of said physiological responses is a blink of an eyelid of said user.

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(Once Amended) A method, comprising the steps of:

providing a camera;

detecting, via a plurality of sensors, different physiological responses of a user of said camera; and

automatically causing said camera to capture an image based on each of said detected physiological responses.

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26. (Once Amended) The method of claim ~~25~~²⁴, wherein at least one of said physiological responses is involuntary.

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27. (Once Amended) The method of claim ~~26~~²⁵, further comprising the step of determining, based on each of said detected physiological responses, a value indicative of an excitement level of said user, wherein said causing step is performed based on said value.

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28. (Once Amended) A method, comprising the steps of:

providing a camera;

detecting a physiological response of a user of said camera; and

automatically causing said camera to capture an image based on said detecting step, wherein said detecting step is performed by a sensor coupled to a contact lens.

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29. (Once Amended) The method of claim ~~28~~²⁴, wherein one of said physiological responses is a blink of an eyelid of said user.

Please add the following new claims:

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30. (New) The system of claim 2, wherein said controller is configured to trigger said electronic device to perform a particular task based on a comparison of said value to a threshold.

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31. (New) The system of claim ~~10~~⁹, wherein said switch is coupled to a contact lens and comprises a friction roller.

32. (New) A system for controlling electronic devices based on physiological responses, comprising;

a contact lens;

a photodetector coupled to said contact lens, said photodetector configured to detect a physiological response of said user and to transmit, in response to a detection of said physiological response, a signal indicative of said physiological response; and

a controller configured to receive said signal and to control an electronic device based on said signal.

33. (New) The system of claim 32, further comprising a photoemitter coupled to said contact lens, said photoemitter configured to emit light toward an eye of said user, wherein said photodetector is configured to detect said physiological response based on said light.

34. (New) A method for controlling electronic devices based on physiological responses, comprising the steps of:

receiving light via a photodetector coupled to a contact lens;

detecting a physiological response of a user wearing said contact lens based on said light; and

automatically controlling an electronic device based on said detecting step.

35. (New) The method of claim 34, further comprising the step of emitting said light via a photoemitter coupled to said contact lens.